ShivAI Supply Chain Solutions

PRODUCTION SCHEDULING INTELLIGENCE

Your Shop Floor Runs on Chaos. This Fixes That.

ShivAI Job Shop Scheduler plans every job on every machine in minutes, and re-plans when reality changes: machine breakdowns, rush orders, shift patterns, tool limits and material delays. Built for Indian job shops. Runs on your own PC.

THE PROBLEM

What Happens Without a Scheduler

Idle and Overloaded Machines
Idle machines while others are overloaded. The load is balanced in one person's head.

Jobs Delivered Late
Rush orders blow up the week's plan. Customers escalate. Penalties pile up.

Hours Lost Re-planning
Re-planning on whiteboards or Excel every time a machine breaks down mid-shift.

Zero Visibility
No one knows which jobs will be late, which machine is the bottleneck, or what the real cost is.

THE SOLUTION

16 Methods Compete. The Most On-Time Plan Wins.

Upload your Excel job data and click Run. ShivAI tries 8 classic dispatch rules and 8 AI optimisation methods, then gives you the plan with the fewest late jobs. **Auto** mode takes about 10 seconds for a daily run; **Deep** mode runs every method for overnight planning.

⚡ Dynamic Re-Scheduling
Machine breaks at 2 pm? Restart from any point: finished work is kept, work in progress continues, everything pending is re-planned.

🤖 8 AI + 8 Classic Methods
Differential Evolution, PSO, NEH, Iterated Greedy, Genetic Algorithm, Tabu Search, ALNS and Q-Learning compete with 8 dispatch rules.

🏆 On-Time Delivery First
The winning plan is the one with the fewest late jobs, then the least lateness, then the earliest finish.

🔧 Real-World Constraints
Shift patterns, tools and fixtures, inspector availability, material arrivals, preventive maintenance and operator absence.

🚨 Urgent Order Preemption
A rush order takes the machine after the current batch; the interrupted job resumes with the remaining quantity.

🏭 Machine Intelligence
Parallel machine groups, efficiency factors, priority ranking, setup factors, load balancing and ₹ cost per machine hour.

📊 Decision Dashboard
KPI cards, Gantt chart with critical path, utilisation heatmap, job and machine analytics, and a full Excel report.

📁 Excel In, Excel Out
Blank template and sample data built in. Every run is saved in Run History to review and download again.

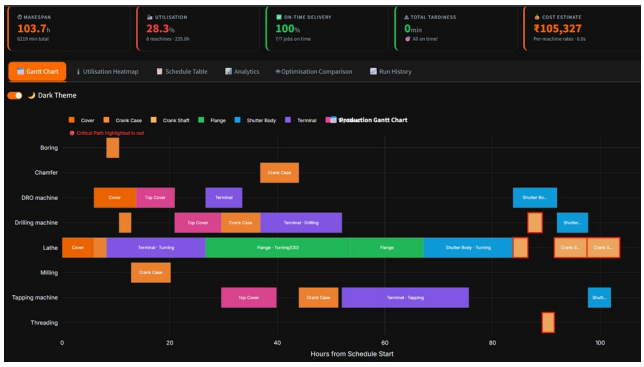
HOW IT WORKS

5-Step Wizard: Upload to Results in Minutes

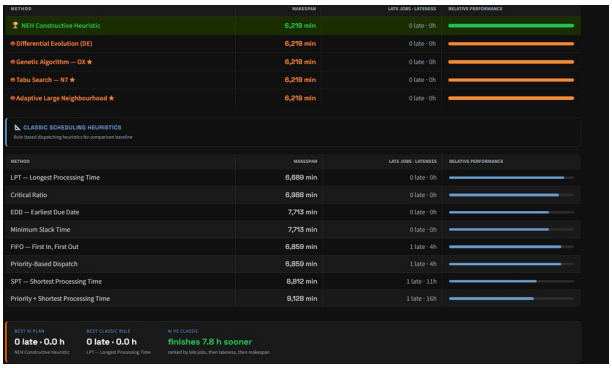
1. Upload	2. Select	3. Set Time	4. Conditions	5. Run
Your Master Job Excel: jobs, routings, machines, shifts.	Pick the jobs for this run, by priority or due date.	Start date and time; optional restart checkpoint.	Breakdowns, urgent jobs, material, maintenance.	Choose Auto, Fast or Deep. Dashboard, Gantt and Excel report.

SEE IT WORK

Multiple Methods Compared to Choose the Winner.



Dashboard: KPI cards and production Gantt chart



Optimisation Comparison: every method, late jobs first

WHO IT'S FOR

Built for Your Industry

Job Shops

CNC machining, tool & die, precision engineering, print & packaging.

Batch Manufacturing

Auto components, metal fabrication, pharma intermediates, plastics.

Assembly Operations

Electronics, electrical panels, machinery, consumer durables.

Pumps, Motors & Castings

Pump and motor components, foundry work, textile machinery parts.

PRICING

Choose Your Scale

Basic	★ Business	Enterprise
₹4,720/mo	**₹9,440**/mo	**₹11,800**/mo
Up to 30 jobs · 8 machines per schedule run	Up to 120 jobs · 25 machines per schedule run	Unlimited jobs · unlimited machines

Every plan includes every feature. Plans differ only in how many jobs and machines you schedule per run. Prices include GST. Annual billing gives 2 months free.

30-day pilot: ₹5,900 incl. GST, a one-time onboarding fee covering installation, training and direct support. Subscribe to a monthly plan within 30 days of your pilot and the first month is free.

Works on your PC. Enter your licence key once when you install (internet needed only for that step); after that it works offline and renews its licence whenever the PC is online. Each subscription activates up to 2 PCs.

Start your 30-day pilot

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